20020305.qrp v02_n485.qrl.20020305

Date: Tue, 5 Mar 2002 19:03:04 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2485

QRP-L Digest 2485

Topics covered in this issue include:

  1) [121286] Re: Power mod for HTX-10?
     by Steve Smith <sigcom@juno.com>
  2) [121287] Spartan Question?
     by "Dave" <wr3i@earthlink.net>
  3) [121288] FS: 2 HW9 Xcvr w/WARC
     by "DICK SCHNEIDER" <rjsedit@hotmail.com>
  4) [121289] RE: Not QRP! Need a small set of 'boots'?
     by Nick Kennedy <nkennedy@tcainternet.com>
  5) [121290] Free Palm OS Software for QRPers
     by "Jim Gelbort, N9WW" <jamesgelbort@worldnet.att.net>
  6) [121291] Re: [Elecraft] More meaningful reports
     by Donn Kuse <casey.jay@gte.net>
  7) [121292] Re: Spartan Question?
     by "John J. McDonough" <wb8rcr@arrl.net>
  8) [121293] Re: Not QRP! Need a small set of 'boots'?
     by "tmyers" <tmyers@AcademicPlanet.com>
  9) [121294] Re: Not QRP! Need a small set of 'boots'?
     by "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
 10) [121295] Crazy Glue use
     by "Stuart Rohre" <rohre@arlut.utexas.edu>
 11) [121296] Re: More meaningful reports
     by "K7FD N7SG" <k7fd@hotmail.com>
 12) [121297] Fox- K4FB Log v1.0
     by Paul Womble <pwomble1@tampabay.rr.com>
 13) [121298] Another way of handling parallel line to avoid coupling any
imbalance
     by "Stuart Rohre" <rohre@arlut.utexas.edu>
 14) [121299] Re: More meaningful reports
     by "Bruzenak George" <bruzer1@mindspring.com>
 15) [121300] Easy spark gaps for parallel line
     by "Stuart Rohre" <rohre@arlut.utexas.edu>
 16) [121301] Pesky Texan Armadillo Chase
     by "N1LN" <n1ln@earthlink.net>
 17) [121302] Who Is This Guy ?????
     by "Pat J. Whelton" <pwhelton@hal-pc.org>
 18) [121303] Re: Who Is This Guy ?????
     by <n2go@arrl.net>

19) [121304] FS SASA
    by <n2go@arrl.net>
20) [121305] Re: More meaningful reports
    by "Lee Mairs" <lmairs@cox.rr.com>
21) [121306] ARRL DX: 3-rigs, 3-hrs, 3-foot ant... !
    by Conrad Weiss <radman@best.com>
22) [121307] ARS SP Soap Box: DE AT LAST!!!!
    by "Rod N0RC" <rod@n0rc.com>
23) [121308] Pioneer 10
    by Pete Burbank <plburbank@kih.net>
24) [121309] Re: FS SASA
    by <n2go@arrl.net>
25) [121310] RE: Pioneer 10
    by Mark Schoonover <schoon@amgt.com>
26) [121311] re Pioneer 10
    by Pete Burbank <plburbank@kih.net>
27) [121312] FS Yaesu FT1000D
    by <n2go@arrl.net>
28) [121313] lookup
    by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
29) [121314] RE: Open Wire Line and Balanced Tuner
    by "Adrian Weiss" <aweiss@usd.edu>
30) [121315] radio shack mag mount
    by hamjoel@juno.com
31) [121316] WTB : TenTec Model 208 CW filter
    by "George Osier" <gosier@twcny.rr.com>
32) [121317] Re: Heathkit Scope Value
    by George Gingell <k3tks@u1.abs.net>
33) [121318] Re: Band Imaging Transceiver Question
    by George Gingell <k3tks@u1.abs.net>
34) [121319] Cub Fox tonight(Tuesday March 5-March 6z)
    by Fred Lesnick <flesnick@tbaytel.net>
35) [121320] CQ N4UTY
    by "William K. Harding" <k4ahk@ix.netcom.com>
36) [121321] OT Re: Who Is This Guy ?????
    by Alex <kr1st@amsat.org>
37) [121322] Re: Pioneer 10
    by David Hinerman <WD8CIV@worldnet.att.net>
38) [121323] Re: Open Wire Transmission Line
    by wb4mnf <wb4mnf@atl.org>
39) [121324] open wire feeders my comments
    by ve3ab@mail.mondenet.com
40) [121325] Truffle 3/5/2002
    by k8cz@att.net
41) [121326] Truffle 3/5/2002
    by k8cz@att.net
42) [121327] QRP Project Kits for DL land
    by Tim ORourke <TORourke@KaiserFT.com>

43) [121328] Web pages moved
    by W2AGN <w2agn@pobox.com>
44) [121329] Re: re Pioneer 10
    by "KD5NWA" <KD5NWA@mbayona.com>
45) [121330] Re: Not QRP! Need a small set of 'boots'?
    by brickle <brickle@pobox.com>
46) [121331] QRP-10A Contacts
    by Chuck Adams <k7qo@earthlink.net>
47) [121332] Re: Web pages moved
    by Brian Short <k7on@earthlink.net>
48) [121333] Re: Crazy Glue use
    by Rodney S Clayton <rodclayton@juno.com>
49) [121334] Re: Web pages moved
    by W2AGN <w2agn@pobox.com>
50) [121335] FTC and Spam (was: RE: Who Is This Guy ?????)
    by "Tracy Markham" <tracy@bytemark.com>
51) [121336] RE: QRP Project Kits for DL land
    by "Tracy Markham" <tracy@bytemark.com>
52) [121337] FOX VE6EX LOG ver#2
    by Earl Murphy <earlmurf@telusplanet.net>
53) [121338] RE: Pc Boards Got em ! but No Knowledge
    by TheRubins <hrubin1970@comcast.net>
54) [121339] Recent junkbox homebrew projects, de N4Uy
    by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
55) [121340] Michigan QRP Net
    by "Kwik, Ed " <ed.kwik@delphiauto.com>
56) [121341] Re: QRP Project Kits for DL land
    by "Ingo, DK3RED" <dk3red@t-online.de>
57) [121342] RE: Pc Boards Got em ! but No Knowledge
    by David Hinerman <WD8CIV@worldnet.att.net>
58) [121343] FS: HW-99 & HW-7 w/Power Supply
    by Norm Melick <henmel@worldnet.att.net>
59) [121344] F.S. Autek QF-1A
    by "Greg Breeden" <gbreeden@pivot.net>
60) [121345] Early morning DX?
    by Steven Weber <kd1jv@moose.ncia.net>
61) [121346] Re: Early morning DX?
    by David Hinerman <WD8CIV@worldnet.att.net>
62) [121347] RE: Early morning DX?
    by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
63) [121348] The Georgia Sierra project
    by "Mike Branca" <w3irz@att.net>
64) [121349] kudos to "SP Test"ers
    by Timothy.Urban@wc.ey.com
65) [121350] Solar Alert
    by Fred Lesnick <flesnick@tbaytel.net>
66) [121351] RE: Pc Boards Got em ! but No Knowledge
    by Steven Weber <kd1jv@moose.ncia.net>

 67) [121352] One more "junk box" project, de N4UY
     by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
 68) [121353] Dave (K1SWL) does it again! Lets make 'im tell us all about it!
     by "Bill, N4QA" <n4qa@hotmail.com>
 69) [121354] Re: Caution with list...
     by Bill Dittrich <rwdittrich@hotmail.com>
 70) [121355] Re: Early morning DX?
     by "Rob Matherly" <kc0bom@arrl.net>
 71) [121356] Re: Early morning DX?
     by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
 72) [121357] Re: Early morning DX?
     by "Rob Matherly" <kc0bom@arrl.net>
 73) [121358] RE: Early morning DX?
     by alan.kaul@att.net
 74) [121359] Re: Early morning DX?
     by William R Colbert <w5xe@juno.com>
 75) [121360] Re: Pc Boards Got em ! but No Knowledge
     by Bruce Muscolino <w6toy@erols.com>

Date: Mon, 4 Mar 2002 16:24:56 -0800
From: Steve Smith <sigcom@juno.com>
To: kr1st@amsat.org
Cc: qrp-l@Lehigh.EDU
Subject: [121286] Re: Power mod for HTX-10?
Message-ID: <20020304.162456.-235763.3.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Mon, 04 Feb 2002 11:53:44 -0500 Alex <kr1st@amsat.org> writes:

> I picked up a new HTX-10 at a hamfest this past Saturday. Neat lil'
> rig, but with one problem. It comes with 20 too many Watts.
>

Alex and group,

I posted this a couple of years ago and promptly lost the message. So I
have reconstituted and hereby reprise the information:

Required test equipment:

Sinewave audio generator and RMS A.C. Voltmeter or an oscilloscope.
Calibrated Wattmeter.

Procedure:

(1.) Remove covers.

(2.) Position the radio with the component side up, front panel facing you.

(3.) There are only 3 pots you need to be concerned with. Identify horizontal trim pots, RV9, RV16 and RV14. Looking down onto the circuit board, RV1, RV9 and RV16 are in a row left to right along next to LT1 which is a choke that looks like an audio transformer. RV14 is below LT1 (toward the front of the radio) and right next to C320, an electrolytic capacitor.

The pot functions are as follows:

RV9: Is the ALC control and sets the SSB power output.
RV16: Sets the power output in the AM mode.
RV14: Sets the power output in the FM mode.

The following assumes that the unit under torture is functioning normally and aligned properly. Although abbreviated, this is right out of the Radio Shack service manual except that Radio Shack wants you to measure the SSB output with an RF Voltmeter. A Wattmeter is good enough and I converted the spec's. to Watts:

With a Wattmeter and dummy load connected to the antenna connector and the DC supply Voltage set to 13.8 Volts, proceed as follows:

SSB

(1.) Set the mode to LSB
(2.) Connect the audio generator to the microphone audio input. Set the frequency to 1000Hz and the level to 5mV RMS.
(3.) Key the transmitter PTT and set RV9 for 5 Watts (Maximum 24.5 Watts) power output.

(remove the audio generator for the following steps.)

AM

(1.) Set the mode to AM.
(2.) Key the transmitter PTT and set RV16 for 5 Watts (Maximum 7.0 Watts) power output.

FM

(1.) Set the mode to FM
(2.) Key the transmitter PTT and set RV14 for 5 Watts (Maximum 25 Watts)
power output.

I have done this to my HTX-10 with no ill effects however the procedure
outlined above voids the warranty so proceed at your own risk.

All other usual disclaimers apply.

That's it. Hope this will be helpful.

73.......Steve 'The Scrounger' Smith
             WB6TNL Oxnard, CA   USA
             "Snort Rosin"

____
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Date: Mon, 4 Mar 2002 19:23:41 -0500
From: "Dave" <wr3i@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [121287] Spartan Question?
Message-ID: <3C83C9BD.11565.36F97A@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Gang,
     I am In am Motel and want to set up antenna for Spartan
Sprint I need to choose a single band
Which will be most activity?
i can do one of the following: 40,20, or 15
Dave

Date: Tue, 05 Mar 2002 00:32:31 +0000
From: "DICK SCHNEIDER" <rjsedit@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [121288] FS: 2 HW9 Xcvr w/WARC
Message-ID: <F28nfWf17rSWEr9rAkQ00006faa@hotmail.com>
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

have two Heathkit HW-9 classic QRP CW transceivers for sale. (No swaps, please.) Must clear out the shack. If you'd like a bit of a classic, along with a fine CW rig, in your hamshack for QRP operations, this is the radio for you. Output power ranges from 4-7 watts, depending on the band. WARC band module has been installed, so you'll get 10-12-15-17-20-30-40-80 meters, giving you a full range of options for QRP contesting, ragchewing and DX. Both rigs are in working order. Offering only the transceivers. No accessories, power supplies or manual. Operates off standard 12+VDC power supplied by battery or power supply. Rigs are located in Denver CO.

RIG 1-- The condition of this transceiver is very good to excellent, with no scratches or wear at all on the case, knobs and dials. $300 plus $10 shipping to CONUS.

RIG 2 -- The condition of this transceiver is good, with some scratches on the case. The knobs and dials show no wear. $275 plus $10 shipping to CONUS.

Photos are available.

72 Dick AB0CD (ab0cd@arrl.net)

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

Date: Mon, 4 Mar 2002 18:50:32 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121289] RE: Not QRP! Need a small set of 'boots'?
Message-ID: <01C1C3AD.77010A80.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

What method do you use for this? Connect the 3rd wire to the chassis and use something other than the chassis for the circuit common?

72--Nick, WA5BDU

-----Original Message-----

From: W2SH@aol.com [SMTP:W2SH@aol.com]

AC-DC rigs should and can be made safe.

GL es 72/73,

Charles

Date: Mon, 04 Mar 2002 18:50:26 -0600
From: "Jim Gelbort, N9WW" <jamesgelbort@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [121290] Free Palm OS Software for QRPers
Message-ID: <5.1.0.14.0.20020304184601.00c594c0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Finally finished the release version of qrpLog.
Screen shots and information at

http://home.att.net/~n9ww

Comments and suggestions welcome!
PocketPC users - would you like to see similar for your platform?

Tks,
Jim Gelbort N9WW

Date: Mon, 04 Mar 2002 19:53:47 -0500
From: Donn Kuse <casey.jay@gte.net>
To: Alex Turner <aturner13@triad.rr.com>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: elecraft@mailman.qth.net
Subject: [121291] Re: [Elecraft] More meaningful reports
Message-ID: <3C84171A.C6F9F81D@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I, too, enjoy reading about the success of various stations, not only DX but others too. Each time I wonder what type of antenna are they using? As Alex said, using 10 watts to a multi-element yagi at 65' is a lot different than someone using a random wire or others. At least with the antenna info, I can see if they are using something close to what I can get up and

what my success might be like.
So, in future responses, PLEASE, include antenna info. It helps all of us.
Tnx,
72,73 Donn, WB4ZWT
66 and still learning
K1 #754

Alex Turner wrote:

> I enjoy reading about the exploits of the various stations and the DX
> accomplishments, but I think it would mean more if a mention of the
> antenna was thrown in.
> I don't mean to imply that 100 countries with 10 watts on SSB is not
> significant, but 10 watts to a wire in the attic means more to the guy
> with a wire in the attic than 10 watts to a multi-element yagi at 65
> feet.
> I just think it would be nice to know this kind of info and then the guy
> with the vertical and a K2 could compare himself to the other K2s and
> verticals or the dipoles. Just a thought.
>
> Alex N4BYJ
>
> _____
> Elecraft mailing list: Elecraft@mailman.qth.net
> You must be a list member to post to the list.
> Postings must be plain text (no HTML or attachments).
> See: http://mailman.qth.net/mailman/listinfo/elecraft
> Elecraft Web Page: http://www.elecraft.com

Date: Mon, 4 Mar 2002 20:03:49 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <wr3i@earthlink.net>
Subject: [121292] Re: Spartan Question?
Message-ID: <00a801c1c3e1$9e3adc00$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would say 20, unless you are in the northeast corridor, where 40 might be
a better deal.

72/73 de WB8RCR   http://www.qsl.net/wb8rcr
didileydadidah   QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Dave" <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 7:23 PM
Subject: Spartan Question?

> Gang,
> I am In am Motel and want to set up antenna for Spartan
> Sprint I need to choose a single band
> Which will be most activity?
> i can do one of the following: 40,20, or 15
> Dave
>

Date: Mon, 4 Mar 2002 19:22:01 -0600
From: "tmyers" <tmyers@AcademicPlanet.com>
To: <winjones@ix.netcom.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121293] Re: Not QRP! Need a small set of 'boots'?
Message-ID: <00cc01c1c3e4$28a5d140$0100a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For small boots you would do well to look at this site.

http://www.hfpack.com

----- Original Message -----
From: <winjones@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 3:16 PM
Subject: Re: Not QRP! Need a small set of 'boots'?

> It was in the ARRL Handbook for 1977. Also, in an older QST, somewhere
around 1973-74. I can make a copy from the 1977 Handbook, if needed.
> 73, Winston K4CWQ
>
> w6toy@erols.com wrote:
> > Many years ago, there was a small amplifier designed and built for

the
> HW-7. It was entitled "Boots for the HW-7"! I believe it appears in
> Solid State Design but I am not sure! In any event, a search of QST
> indices will turn it up!
>
> 73
>

Date: Mon, 4 Mar 2002 20:15:16 -0800
From: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
To: <nkennedy@tcainternet.com>
Cc: "qrp-l" <qrp-l@lehigh.edu>
Subject: [121294] Re: Not QRP! Need a small set of 'boots'?
Message-ID: <000701c1c3fc$5adb9740$07ea7182@mcmaster.ca>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nick asks about grounding AC-DC rigs,
    Had to contend with this as a young ham. Was careful about which way I
plugged
in the AC line chord. The "correct" way allowed the hand key to be AC-cool.
    As an extra precaution, insulated my op chair from the cement floor with
corrugated
cardboard - at least four feet radius.
    Still got whacked once in a while (by both Dad AND my rig ;-)
twitch - managed to survive - twitch - no problem - twitch - twitch.

----- Original Message -----
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 4:50 PM
Subject: RE: Not QRP! Need a small set of 'boots'?

> What method do you use for this? Connect the 3rd wire to the chassis and
use something other than the chassis for the circuit common?
>
> 72--Nick, WA5BDU
>
>
> -----Original Message-----
> From: W2SH@aol.com [SMTP:W2SH@aol.com]
>

> AC-DC rigs should and can be made safe.
>
> GL es 72/73,
>
> Charles
>

Date: Mon, 4 Mar 2002 20:07:02 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "carl seyersdahl" <carlseye@tampabay.rr.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [121295] Crazy Glue use
Message-ID: <034a01c1c3ea$71174ac0$4e100a0a@rohredt2000>

Good points on using "just enough" cyano acrylate cements. (Eastman 910 in the old days).

In fact this type of cement does not want to be used on porous surface. It adheres by being about a molecule thick, and on very clean surfaces, and preprimed if you can. In lieu of that, you should slide the pad slightly to improve the molecular dispersion of the cement drop, kind of rotate the pad in place and then leave it alone until the bond happens.
IF I am remembering correctly, this also expels the air, and this chemical needs an air free environment to gain max strength.

72,
Stuart K5KVH

Date: Mon, 04 Mar 2002 18:18:28 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: casey.jay@gte.net, qrp-l@Lehigh.EDU
Subject: [121296] Re: More meaningful reports
Message-ID: <F202v1lPlS1FBlOGcEs000102d8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From my original post...and please note the antenna:

>Rig: K2/586, 10w PEP (not ARRL QRP) Ant: 3 el Cubex Quad at 60' Mic:
>Heil Pro Set, Icom SM-20 Op: K7FD, John

>Soap: What a thrill to finally log my 100th DXCC, etc...

I agree, Donn & Alex...the more information posted, the better we can judge performance. While I can't speak for others, I did include such info in my original post, as shown above.

And I'd be the first to say a simple wire poses a greater challenge than a gain antenna...

...then again, a wire antenna in hands of a seasoned op can often beat the pants off a gain antenna in the hands of greenhorn! My friend K7FL comes to mind, he's done it all...and all with simple wires!

73 John K7FD

>From: Donn Kuse <casey.jay@gte.net>
>I, too, enjoy reading about the success of various stations, not only DX
>but others too. Each time I wonder what type of antenna are they using?

>72,73 Donn, WB4ZWT
>66 and still learning
>K1 #754

_____
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Date: Mon, 04 Mar 2002 21:28:54 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [121297] Fox- K4FB Log v1.0
Message-ID: <3C842D66.E8C8042F@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

2:01 N5ZE 559 TX LEW 5W
2:01 N1TP 559 FL TOM 5W
2:02 K4TJD 559 GA TOM 5W
2:03 K8KFJ 559 WV GARY 5W
2:03 N9NE 559 WI TODD 5W
2:04 K0EVZ 559 ND DOC 5W
2:05 AJ4AY 559 AL JAY 4W
2:06 W4BQP 559 NC JIM 5W

2:07 W5USJ 559 TX CHUCK 5W
2:07 WA8BXN 559 OH MIKE 5W
2:08 N4ROA 559 VA DAN 1W
2:09 AC5JH 559 OK TOM 5W
2:09 K3IU 559 RI KEN 5W
2:10 AA5O 599 LA VERN 5W
2:11 W0UFO 559 MN MERT 5W
2:11 N0UR 559 MN JIM 5W
2:12 KR2F 559 NY VINNY 5W
2:13 W0CH 559 MO DAVE 900MW
2:13 W9XU 559 WI LON 5W
2:14 N1FN 559 CO ET 5W
2:14 N3ZPQ 559 OH FRANK 4W
2:15 AD4IH 559 FL JOE 5W
2:16 K4BYF 559 FL JACK 5W
2:18 K4GT 559 GA JIM 5W
2:18 N4MAP 559 GA SAM 5W
2:19 KR5C 559 TX GEORGE 5W
2:20 N0AR 559 MN SCOTT 5W
2:21 KD5KXF 559 TX MIKE 5W
2:22 K5JHP 559 TX BILL 5W
2:23 K5EOA 559 LA WAYNE 5W
2:24 N9IJ 559 IL LEN 5W
2:25 K8CV 559 MI WALT 5W
2:27 WV9N 559 OH RANDY 5W
2:27 W2XN 559 FL FRED 5W
2:28 W5YR 559 TX GEORGE 5W
2:29 N2WW 559 CO LARRY 5W
2:30 K3PH 559 PA BOB 5W
2:31 W9FR 559 IN NOEL 5W
2:33 K5SR 559 TX DAVE 5W
2:33 W0RSP 569 SD ADE 4W
2:34 N5IB 559 LA JIM 5W
2:35 K9DC 559 IN DON 5W
2:35 W0PWE 559 IA JERRY 5W
2:36 WB6BWZ 579 GA MATT 5W
2:37 K5DI 559 NM KARL 5W
2:38 WA9TZE 559 WI JIM 5W
2:39 WD5CMA 559 LA GLORIA 5W
2:39 K0PC 559 MN PAT 5W
2:40 N5YFC 559 LA WAYNE 5W
2:41 K4NK 559 SC LES 3W
2:42 NK9G 599 WI RICK 5W
2:43 KK5LD 559 TX DAN 5W
2:44 XE1YJL 599 XE LUIS 40W
2:45 AF4AT 599 NC JIM 5W
2:46 K2PQ 559 NJ FRANK 5W
2:47 W5TB 599 TX DOC 5W

2:48 AB0CD 559 CO DICK 5W
2:48 W5YW 599 LA MIKE 5W
2:49 KQ5U 559 TX TERRY 5W
2:50 W5YA 559 NM FRED 5W
2:53 W9HL 559 IL RANDY 5W
2:56 KR5N 559 TX MARCUS 5W
2:58 WE9K 559 WI GLENN 5W
2:59 AF4LQ 595 KY MIKE 5W
3:00 K5DW 559 TX DON 5W
3:01 K9OZ 559 IL BRUCE 5W
3:02 NU8S 559 OH DENNIS 5W
3:03 N9AW 559 WI JERRY 5W
3:05 KC9LC 559 VA RANDY 5W
3:07 WR5O 559 TX DAVE 5W
3:07 AF4PS 599 FL MAC 3W
3:09 KB9LGJ 559 CA TIM 5W
3:10 K0WV 579 MN BILL 200
3:12 NX8C 559 MI NEIL 5W
3:13 AA7XU 559 CA DAVE 5W
3:16 K7TQ 559 ID RANDY 5W
3:17 VE3FAL 559 ON FRED 5W
3:18 KF0N 559 IA LARRY 4W
3:18 AF4PP 599 GA CHUCK 5W
3:19 KI0II 559 CO RON 5W
3:20 KV2X 559 NY TOM 5W
3:21 KG4LDY 559 VA JIM 5W
3:21 K4ADI 559 SC FRANK 5W
3:22 N0RC 559 CO ROD 5W
3:23 NV4V 559 KY PETE 5W
3:23 W8RU 559 MN RON 5W
3:24 N0DSP 559 CO TOM 5W
3:25 NK6A 559 CA BOB 5W
3:27 VE4WI 559 MB CRAIG 5W
3:28 VE5RC 559 SK BRUCE 5W
3:29 NM5M 559 TX ERIC 5W
3:30 KJ0C 559 MO JIM 5W
3:32 KC1FB 559 CT JIM 5W
3:33 N0SRL 559 MN KEN 5W
3:37 NN5E 559 TX VERN 5W
3:37 KB7WW 559 WA ART 5W
3:41 VA6RF 559 AB EARL 5W
3:42 N3BJ 559 VT ALAN 5W
3:42 N1QO 559 VT JOHN 5W
3:44 AG0T 339 IA TODD 4W
3:45 W7ILW 559 AZ WILT 5W
3:45 N7CQR 559 OR BRUCE 5W
3:47 K5KW 569 OK DON 5W
3:59 KC0ATC 559 CO CHRIS 5W

4:00 VE6EX 559 AB DAN 5W
4:00 K4FB 559 FL PAUL 5W

Date: Mon, 4 Mar 2002 20:23:32 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <W2SH@aol.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [121298] Another way of handling parallel line to avoid coupling any imbalance
Message-ID: <035e01c1c3ec$bf1b9a80$4e100a0a@rohredt2000>

Just twist the parallel line or window line every 18 inches or so, and any untoward influences will balance out, as both conductors will be exposed to the source.

Inside, you can space the twin line, a few diameters away from surfaces. Radio Shack still sells standoff insulators that are long enough to handle this even for the 450 ohm window line. Just do not run close to other conductors if you can help it.

Since you are hooking parallel line to the rig thru a transmatch and balun anyway, or at least a transmatch and cable choke with floating chassis trans match, you can adjust out any transitions to window thru bolts, or other conveniences in handling the parallel balanced conductors.

The efficiency of using parallel lines is great, and they work even in high SWR situations with lowest loss.
72,
Stuart K5KVH

Date: Mon, 4 Mar 2002 19:26:21 -0700
From: "Bruzenak George" <bruzer1@mindspring.com>
To: <k7fd@hotmail.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121299] Re: More meaningful reports
Message-ID: <001601c1c3ed$248bed20$0ce5b23f@bruzenak55>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Take a look at: http://www.cqc.org/contests/index.htm (Colorado Gold Rush)
where the class of antenna is recognized as separate entries.

George, K0CNT
Flying Pig #369, CQC #700,
FISTS #8506, K1 #731
----- Original Message -----
From: "K7FD N7SG" <k7fd@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 7:18 PM
Subject: Re: More meaningful reports

> >From my original post...and please note the antenna:
>
> >Rig: K2/586, 10w PEP (not ARRL QRP) Ant: 3 el Cubex Quad at 60' Mic:
> >Heil Pro Set, Icom SM-20 Op: K7FD, John
>
> >Soap: What a thrill to finally log my 100th DXCC, etc...
>
> I agree, Donn & Alex...the more information posted, the better we can
judge
> performance. While I can't speak for others, I did include such info in my
> original post, as shown above.
>
> And I'd be the first to say a simple wire poses a greater
> challenge than a gain antenna...
>
> ...then again, a wire antenna in hands of a seasoned op can often beat the
> pants off a gain antenna in the hands of greenhorn! My friend K7FL comes
to
> mind, he's done it all...and all with simple wires!
>
> 73 John K7FD
>
> >From: Donn Kuse <casey.jay@gte.net>
> >I, too, enjoy reading about the success of various stations, not only DX
> >but others too. Each time I wonder what type of antenna are they using?
>
> >72,73 Donn, WB4ZWT
> >66 and still learning
> >K1 #754
>
>
> _____
> Join the world s largest e-mail service with MSN Hotmail.

> http://www.hotmail.com
>

Date: Mon, 4 Mar 2002 20:30:26 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <dwittlic@APCI.net>
Cc: <qrp-l@Lehigh.EDU>
Subject: [121300] Easy spark gaps for parallel line
Message-ID: <036401c1c3ed$b5f82ad0$4e100a0a@rohredt2000>

It is good someone mentioned spark gaps placed outside the entry of parallel line to the shack.

The easy spark gap for hams is to get a couple of old spark plugs. Place them side by side in a copper plate, or aluminum if that is all you have. Hook the screw tops to your parallel lines, and set the gaps so that they do not arc over with your power. Actually, whatever they were worn to, is fine, as they will break over as a storm builds up static on your antenna.

The plugs can be screwed into a tight hole in the plate, no threading needed. Use a flat strap to ground the plate to earth at a suitable ground rod or radial terminus. (crowfoot ground). The old handbooks show the plate mounted on insulators to prevent the plate under a fault from arcing to the window frame, house wiring ,etc.

72,
Stuart K5KVH

Date: Mon, 4 Mar 2002 20:40:45 -0600
From: "N1LN" <n1ln@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "Zed - K5ZTY" <k5zty@juno.com>, "W5MJ" <w5mj@houston.rr.com>,
        "W5HNS - Henry" <w5hns@aol.com>, "Terry - KQ5U" <kq5u@arrl.net>,
Subject: [121301] Pesky Texan Armadillo Chase
Message-ID: <009801c1c3ef$967da020$4c25fea9@im02>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hey there all you "chasers" - only one more week until the annual

"PESKY TEXAN ARMADILLO CHASE"

Mark your calendars and warm up your radios ! ! !

NEXT WEDNESDAY NIGHT - MARCH 13th.

Date: March 13, 2002
Day: Wednesday
Time: 20:00 CST - 22:00 CST
Freq: 7.030 - 7.055 (approximate)
Power: Armadillos = 5 w   Hounds = 'your choice'
Exchange: <Call><RST><State><Name><Power><Call> BK

        note: Call = the Hound's call

The Armadillos will call: CQ ARM CQ ARM   instead of CQ FOX

As of now we will have 20 Armadillos -

Armadillo Roster:

1.   W5USJ (Chuck)
2.   K1OJ (OJ)
3.   NM5M (Eric)
4.   W5HNS (Henry)
5.   K5NZ (Mike)
6.   N5BE (Danny)
7.   W5YR (George)
8.   W5MJ (Madison)
9.   N3ET (Bob)
10. AF5Z (Bob)
11. N5TU (Earl)
12. N1LN (Bruce)
13. K5ZTY (Bill)
14. KQ5U (Terry)
15. WF5W (Cal)
16. K5LN (Bill)
17. W5SB (Bill)
18. KK5LD (Dan)
19. W5PF (Paul)
20. KD5KXF (Mike)

Sponsored by:

        NARS - Northwest Amateur Radio Society of Houston, Texas.
        http://www.w5nc.org/

and

Team Cramp Contest Club http://www.teamcramp.com

Coordinator: N1LN - Bruce   n1ln@arrl.net

RULES:

The Hounds that work all Pesky Texan Armadillos qualify for the official WORKED ALL PESKY TEXAN ARMADILLOS certificate.

If you want a certificate - send $ 1.00 and a copy of your log to my CBA (call book address).

Bruce Meier - N1LN
15283 Runnymede St.
Conroe, TX 77384

First and Second place HOUNDS will win an official TEAM CRAMP CONTEST CLUB http://www.teamcrapm.com tee shirt donated by K5NZ - Mike - one of the Armadillos.The first and second place Hounds will be decided by the earliest completion time for the final QSO with all 20 Armadillos. The times will be verified by the Armadillo logs.

Armadillo Scoring:

The Armadillos are trying to work as many Hounds as possible - and their scores will be calculated based on the following - - - - - -

> 1 point / QSO for Q's with Hounds running 3w or more
> 3 points / QSO for Q's with Hounds running 1 - 2 watts
> 5 points / QSO for Q's with Hounds running less than 1 watt
> 10 points / QSO for DX Hounds (excluding Canada)

> First QSO with a new state / province / DX country = multiplier

SCORE: (QSO Points) x Multipliers = Total Score

The ARMADILLO with the highest score will win the Pesky Texas Armadillo Chase plaque. 2nd and 3rd Place Certificates will also be awarded.

PLEASE NOTE THE FOLLOWING - Armadillos don't work other Armadillos for points. QSOs with other official 'Pesky' Armadillos don't qualify for points.

If you have any questions - send me an email -

n1ln@arrl.net

72 - and KEEP THAT DATE OPEN ! !

Bruce - N1LN

Date: Mon, 4 Mar 2002 21:01:34 -0600
From: "Pat J. Whelton" <pwhelton@hal-pc.org>
To: <qrp-l@lehigh.edu>
Subject: [121302] Who Is This Guy ?????
Message-ID: <018b01c1c3f2$10b23160$d388fea9@halpc.org>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Who is this ak3zpy@msn.com guy???? He is really getting to be a pain in the ass. If I've received one "Get Out Of Debt" message from him I've received a dozen of them. I wish he would cease and desist. Every night this Turkey spams my inbox.

Date: Mon, 4 Mar 2002 17:37:53 -0500 (EST)
From: <n2go@arrl.net>
To: "Pat J. Whelton" <pwhelton@hal-pc.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121303] Re: Who Is This Guy ?????
Message-ID: <Pine.LNX.4.33.0203041731230.894-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

MSN is very good about dealing with spammers.

Today I got confirmation that three spammers had their email addresses
revoked.

Make sure your headers are visible with a copy of the original message
that the spammer sends to you. With pine I type "H", you will have to
refer to your email program for details.

Next forward the message to the ISP that the spammer uses. Be sure not to
send the message as an attachment. For obvious reasons they won't open
attachments.

abuse@msn.com would be the address you forward the above to
Explain what the problem is..ie spammer.

Do not send the message or respond to the spammer...That only confirms
your address as valid. Hope this helps. Most ISP do not allow Spamming
from one of their email addresses. They will drop him as soon as they see
the evidence. If they use a phoney address for hotmail.... They will
prosecute.

73,

Jim n2go

On Mon, 4 Mar 2002, Pat J. Whelton wrote:

> Who is this ak3zpy@msn.com guy???? He is really getting to be a pain in the
> ass. If I've received one "Get Out Of Debt" message from him I've received
> a dozen of them. I wish he would cease and desist. Every night this Turkey
> spams my inbox.
>
>
>
>
>

Date: Mon, 4 Mar 2002 17:42:23 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [121304] FS SASA
Message-ID: <Pine.LNX.4.33.0203041738510.910-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a spectrum analyzer/scope adapter for sale. Built in a cast
aluminum box. It has BNC I/O connectors. The AC supply is built in and has
a ac input filter. You will need a computer type ac connector.
Nicely built (by me) with teflon wire and Coax (of course)
With documentation.
$80.

73,

Jim n2go

Date: Mon, 4 Mar 2002 22:37:16 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: <k7fd@hotmail.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: "K7CMZ" <K7CMZ@aol.com>
Subject: [121305] Re: More meaningful reports
Message-ID: <017601c1c3f7$0c4a0300$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My friend, K7CMZ, here in Northern Virginia, has over 300 countries
confirmed using only wires and 100 watts. He keeps thinking about putting
up a tower, but I think his accomplishment would be greatly tarnished were
he to get a few more with a beam and an hf amplifier.
73 de Lee
KM4YY

----- Original Message -----
From: "K7FD N7SG" <k7fd@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, March 04, 2002 9:18 PM
Subject: Re: More meaningful reports

> >From my original post...and please note the antenna:
>
> >Rig: K2/586, 10w PEP (not ARRL QRP) Ant: 3 el Cubex Quad at 60' Mic:
> >Heil Pro Set, Icom SM-20 Op: K7FD, John
>
> >Soap: What a thrill to finally log my 100th DXCC, etc...
>
> I agree, Donn & Alex...the more information posted, the better we can
judge
> performance. While I can't speak for others, I did include such info in my
> original post, as shown above.
>
> And I'd be the first to say a simple wire poses a greater
> challenge than a gain antenna...
>
> ...then again, a wire antenna in hands of a seasoned op can often beat the
> pants off a gain antenna in the hands of greenhorn! My friend K7FL comes
to
> mind, he's done it all...and all with simple wires!
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> 73 John K7FD
>
> >From: Donn Kuse <casey.jay@gte.net>
> >I, too, enjoy reading about the success of various stations, not only DX
> >but others too. Each time I wonder what type of antenna are they using?
>
> >72,73 Donn, WB4ZWT
> >66 and still learning
> >K1 #754
>
>
> _____
> Join the world s largest e-mail service with MSN Hotmail.
> http://www.hotmail.com
>

Date: Mon, 4 Mar 2002 19:40:26 -0800
From: Conrad Weiss <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [121306] ARRL DX: 3-rigs, 3-hrs, 3-foot ant... !
Message-ID: <01C1C3B4.6F974A00@209-162-49-54.thegrid.net>

Gangue,

In the wake of the ARRL DX Phone 'Test, I thought it prudent to recount the adventures of an average ham with a sub-normal antenna - a 3-foot vertical. It's thrilling to read of "the guns" flogging the airwaves with their mega-towers and stacked arrays, but what about Joe Ham just tossing a rig in his car and heading for higher ground to bang it out for three hours with a base-loaded 3-foot Rat Shack CB mag-mount [major-modified for 10m]? Insane...? Futile...? Read on and you decide...;)

I packed the Volvo station wagon with my K2, my FT-817 and a QRP TS50 - no, not a multi-multi effort - just moi. I pasted the RS 3-foot mag-ant to the roof of the Volvo - just forward of the roof rack -- and ran the coax thru the passenger window. A pair of 12ft - 6ga jumper cables were clipped to the Big Boy battery under the hood and carefully routed to the carpeting of the passenger floorboards. Lights, action.. antenna.

The K2 was first up and nailed Belgium, Italy, Norway, Croatia and Yugoslavia in the first eight minutes --- from the left coast of the US! It was to be a mojo day ;) With only 52 minutes to go on its outing, the K2 racked Anguilla - Leeward Islands, the UK, Mexico, the Dominican Republic and a slug of JAs. Time's-up. Power-down and hose-up....

The FT-817...BANG...the K2 was still warm while the little 817 bagged Germany, Aruba, Ireland, Nevada <ooops!>, Cuba, Argentina, Alaska <oops!>, Northern Ireland, 'QX1X' [unknown to me] and a mega-ton of JAs. Time's-up... all S&P on internal batts ! Power down. Good goin' !

TS50/AT-50 (low power) hoses-up and WHAM...QRP-L's favorite country - the Netherlands - honest ! Followed by, the Slovak Republik, HI, USA <oops!>, Grenada - West Indes, St. Croix, Puerto Rico, French Guiana, Brazil and a ton of JAs. Time's up! Power-down, crack open a mineral water and rack the log up. All paper logging, no packet spotting, no Internet, no computer - I had five dupes (caught by the guns.) Five stations I could not ID...

Executive Summary: Just three hours on 10m with a three foot antenna netted ~ 30 DXCC countries and a lot of new friends in JA ;) In my favor, I had 800 feet of elevation gain over SF Bay [and a great view]. Down side was the RS antenna and cramped quarters in the car. I was running S&P at 20Qs per hour on each rig - each did a great job - mojo abounded. I had a blast !! On the drive home the adrenaline was pumping and I made mental drawings of a 70 foot Rohn crank-up tower, bolted to the roof of the Volvo... stacked beams, HAMM-M rotor, rigid feeders, N-connectors... just the usual stuff. But I'm *not* gonna get sucked into that sick type-A-contest-mania that ya read about over on the *other* reflectors... ;) I'm not gonna be one of those guys who wakes up in the middle of the night hearing guys quacking, ".... was that Lima/India, or India/Lima...?...." Nope, not me...

The moral ... I *think* I really could have bagged 'The Big 100' -- all on 10m if I'd provisioned enough mineral water & throat lozenges - even on that stinkin' little RS antenna! Hey, try it... you don't need a hundred foot tower !

Best,

Conrad Weiss
NN6CW ".. hey, please copy, "59, CALIFORNIA !" Can you believe some rookie gave me a "4x4" in a 'test when I was running the K2 ? Not that I'd ever take it too seriously...;)

Date: Mon, 4 Mar 2002 21:18:16 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121307] ARS SP Soap Box: DE AT LAST!!!!
Message-ID: <001701c1c3fc$c69ac050$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It finally happened, after nearly 4 years I worked DE!

    03-MAR-2002 21MHz 0215 K3AS 559 559 5W, Thank you Bill!

To sweeten the pot I also worked Dean, KH6B, in HI, not once but twice! Once on 15m and again on 40 just at the buzzer!

Another notable QSO event: Ken N2CQ on 15, 20 and 40m!

52 QSOs, on 3 bands, with my FAT TUE station, 15, 20 & 40, I tried 10 for about 5 min, no luck. Overall the bands were in pretty good shape. Had a blast as always--see you all next month, with my lean mean K1 ARS SP QSO machine.

73, Rod N0RC
Ft Collins, CO

Date: Tue, 05 Mar 2002 00:21:56 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [121308] Pioneer 10
Message-ID: <5.0.2.1.0.20020305001806.00ac78d0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

WOW!
7.4 billion mile contact.
That has to be the miles per watt record.
73 Pete NV4V

Date: Mon, 4 Mar 2002 19:40:03 -0500 (EST)
From: <n2go@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121309] Re: FS SASA
Message-ID: <Pine.LNX.4.33.0203041936060.948-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The SASA is a black box that enables a scope to be used as a simple
spectrum analyzer. This was a partial kit offered by Melt Solder.
If you need a scope I can supply a tek 465 scope that should be suitable.
I can ship the SASA and the scope for $200 in UPS zone 1-4. You can add
$10 if you are in ups zone 7 or 8.

73,

Jim n2go

On Mon, 4 Mar 2002 n2go@arrl.net wrote:

> I have a spectrum analyzer/scope adapter for sale. Built in a cast
> aluminum box. It has BNC I/O connectors. The AC supply is built in and has
> a ac input filter. You will need a computer type ac connector.
> Nicely built (by me) with teflon wire and Coax (of course)
> With documentation.
> $80.
>
> 73,
>
> Jim n2go
>
>

Date: Mon, 4 Mar 2002 21:35:49 -0800
From: Mark Schoonover <schoon@amgt.com>
To: "'plburbank@kih.net'" <plburbank@kih.net>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121310] RE: Pioneer 10
Message-ID: <BF889CEBEFD2D511B993009027F60ABE15549D@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

22 hours round trip for a signal. Awesome ping times!

--{ Mark E Schoonover KA6WKE
--{ Senior Hacker, IS Gopher, Hardware Fiend
--{ American Geotechnical
--{ http://www.qsl.net/ka6wke
--{ ka6wke@amsat.org

          /"\
          \ /   ASCII Ribbon Campaign
           X   Against HTML Mail
          / \

-----Original Message-----
From: Pete Burbank [mailto:plburbank@kih.net]
Sent: Monday, March 04, 2002 9:22 PM
To: Low Power Amateur Radio Discussion
Subject: Pioneer 10

WOW!
7.4 billion mile contact.
That has to be the miles per watt record.
73 Pete NV4V

Date: Tue, 05 Mar 2002 00:35:38 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [121311] re Pioneer 10
Message-ID: <5.0.2.1.0.20020305003251.00af0b20@KIH.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I should have added that the contact was made by NASA, not me.
73 Pete NV4V

Date: Mon, 4 Mar 2002 19:49:49 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [121312] FS Yaesu FT1000D
Message-ID: <Pine.LNX.4.33.0203041945570.957-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The ultimate qrp rig. can be used qro also. It looks and works like new.
Low mileage. Little used. All stock filters. I think you can get only two
other filters for the second receiver. Comes with original boxes, manuals
and hand mike and service manual. $2K

73,

Jim n2go

Date: Tue, 5 Mar 2002 00:47:17 -0500
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121313] lookup
Message-ID: <027101c1c409$36060b00$0506b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

lookup ka2rhj
lookup k2rhj

Date: Mon, 04 Mar 2002 23:49:26 -0600
From: "Adrian Weiss" <aweiss@usd.edu>

To: qrp-l@Lehigh.EDU
Subject: [121314] RE: Open Wire Line and Balanced Tuner
Message-ID: <B9ONMLQXTNLQKB64XNJJGMI4W86SNML.3c845c66@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi all:

Thought I'd drop my 2 cents in ...

LB's WEB site has a great discussion of the difference between balanced and unilateral tuners.

My own experience is as follows. I compared the field strength from a dipole when fed thru a unilaterial tuner ("T") plus balun vs several homebrew tuners. These are
the variety that LB discusses, i.e., the xmtr is connected via a link coil at the center
of the main coil. I use a 365pf capacitor in series with the coax center conductor to
the top of the coupling coil -- the other side is grounded. As LB points out, band changing is not instantaneous -- you have to make a chart of the proper tap points on the main inductor for each band as well as the capacitor settings.

One point not mentioned by LB: the feedline itself transforms the antenna feedpoint
impedance to some other value unless the feedline is 1/2-wavelength long (or multiple
thereof). In practice, the antenna will exhibit a (often drastically) different feedpoint
impedance on each band. In turn, the feedline will do its transformation. Its electrical
length determines how much it transforms the antenna impedance. On some bands, the combination will result in an inductive impedance at the tuner end, and a capacitive impedance on other bands. A single configuration tuner is unlikely to handle both signs of impedance. The design has to be modified to work with both.

One way to visualize the shift along the transmission line is the usual "too long" or
"too short" vs. the sine curve of the traveling wave. The main coil actually either
"makes the feedline long enough" or "makes the feedline short enough" to achieve a perfect match. So, it must be two separate coils or a single coil broken at the center. The tuning capacitor is shunted across the coils (parallel tuning) for one kind of impedence, and inserted between the coils for the other (series tuning).

The use of split-stator capacitors for the parallel configuration is simply not needed.

A single capcitor across the main coil is actually better -- no extra path for traveling
currents which cause loss. As LB noted, the rotor of the split-stator capcitor can be left floating.

Now, that feedline transformation often enough presents an impedance that the tuner cannot handle in the parallel coinfig. or, v-v, in the series config. The standard
"trick" is to add a couple more feet to the feedline, which then cases an additional
transformation of the impedance to something that the tuner can handle. For example,
myt ZM2 -- a Z-match type -- feeds my 30m dipole easily on 40, 30, 20, 15. But no dice on 17 and 10m. The impedance at the end of the feedline is simply out of its tunable range. On the homebrew tuner, the ant can be fed nicely on all bands -- as noted above, some bands work with the series config., and others with the parallel config.

How do these tuners compare to the "T" plus balun? Always 1-2dB higher field strength. My simple measurements are just that -- I wanted to get an idea of which way to go. The MFJ941C and MFJ-901 handle most situations, but at some loss. As others mentioned, there are test results out there.

Two problems with homebrewing: (1) coil stock and (2) capacitors. Both are expensive -- if they can be found. So, I just wind my own and pick up capacitors at flea markets. Nothing fancy -- PVC coil forms etc. I solder on tap-wires to the coil. I have two switches. One switches between parallel and series, the other between a big coupling coil (low bands) and little coupling coil (high bands).

I like the flexibility of a 30m dipole doing well on 40m and really well on 30m and the higher bands. Homebrew tuners (mine) are kind of ugly -- built in silly plastic storage trays hacksawed to size, with rubber bands holding stuff in place etc. The front panel is sloped toward me, which makes it hard to read my pen-marks for settings. I'm always going to do one to professional standards -- but lazy and won't make it work any better!

It's fun building tuners -- nothing to "smoke"!

My next step is to add a Scorpion LED SWR bridge -- when I get the time. Meanwhile, I use my TinyTim Altoids plugin version.

72 Ade W0RSP

Date: Tue, 5 Mar 2002 00:50:19 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu, fpqrp-l@mpna.com
Subject: [121315] radio shack mag mount
Message-ID: <20020305.005020.-194549.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

High "Y''a;;
        need some info on the radio shack magnetic mount... supposed to
be 100lbs of stickem power...
        how big of an antenna will that hold?
I've got (i thinik) a hustler mobil antenna with all the coils
woild that 100lbs hold on 10, 15, or 20 meters
I could mount it on thte the cab of my pickem up truck
and go up hte the mountains heah... few thousand feet...

ke1la joel
in maine
wondering
____
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Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

Date: Tue, 5 Mar 2002 01:22:29 -0500
From: "George Osier" <gosier@twcny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [121316] WTB : TenTec Model 208 CW filter
Message-ID: <010101c1c40e$2094e660$0e714342@twcny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello !!!

I'm looking for a Ten Tec 208 filter for my Argo 509 to try and get the
entire Argo setup ....

Anyone have one they are willing to part with ??????

73s

George Osier , N2JNZ / QRP

Date: Tue, 5 Mar 2002 01:33:12 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [121317] Re: Heathkit Scope Value
Message-ID: <20020305012600.X61976-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I suggest that you use the parts to build a nice Classic Rig of two.

I happen to have a Heathkit IO-105 which has not been turned on in Quite a few years:^} Solid State Single Trace Triggered Sweep. 1st Class in it's day. (for a kit)

Thinking back, I believe I paid the equavilant of a K2 for it.

About $500.00 1970? Dollars.

I have been holding it for one of those "Heathkit Collectors" :^}

I would gladly Trade for a K1 even up. :^}

Sir George, The First :^}

72 ES
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

        Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Tue, 5 Mar 2002 01:36:50 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: dk3red@T-online.de, "Zack (KH6CP) Lau" <zlau@arrl.org>
Subject: [121318] Re: Band Imaging Transceiver Question
Message-ID: <20020305013318.I61976-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Red,

I don't have the answers to your question, but I have cc'd this note to
the guy who does. Zack Lau, W1VT (Ex-KH6CP) the designer of that
particular project.

Straight to the source, is the best route to a correct and speedy answer.

GL

Sir George, The First :^}

72 ES
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
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George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

        Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Tue, 05 Mar 2002 05:43:40 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "QFOX@egroups.com" <QFOX@egroups.com>, QRPL <qrp-l@Lehigh.EDU>,
        QRP Canada <qrp-canada@neale.gpfn.sk.ca>
Subject: [121319] Cub Fox tonight(Tuesday March 5-March 6z)
Message-ID: <3C84A15C.A96BCBA4@tbaytel.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just one more reminder that I will be your Cub Fox tonight for my final round.
I will be hiding in and around 7.053 and listening down.
I will try and stay away from the 3905 CC boys on 7.053 if they are there.
Good luck to all, and hope to hear you tonight
Good Hunting.
Fred
VE3FAL

Date: Tue, 05 Mar 2002 06:50:06 -0500
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "QRP-L Mail" <qrp-l@lehigh.edu>
Subject: [121320] CQ N4UTY
Message-ID: <E16iDQE-0002WD-00@smtp6.mindspring.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

CQ N4UTY

NoVaQRP announcement email bounced. What is your new address?

Bill Harding - K4AHK

Date: Tue, 05 Mar 2002 08:20:46 -0500
From: Alex <kr1st@amsat.org>
To: pwhelton@hal-pc.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121321] OT Re: Who Is This Guy ?????
Message-ID: <3C84C62E.FC8F0BCE@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

On Earthlink you can change your email address as often as you like and I assume you can do the same on MSN. I wonder if these guys do this at random and it just happens to look like a callsign.

I've tried to change one of my email addresses at Earthlink to my

callsign, but lo and behold, someone is already using it.

73s,
--Alex

"Pat J. Whelton" wrote:
>
> Who is this ak3zpy@msn.com guy???? He is really getting to be a pain in the
> ass. If I've received one "Get Out Of Debt" message from him I've received
> a dozen of them. I wish he would cease and desist. Every night this Turkey
> spams my inbox.

Date: Tue, 05 Mar 2002 08:21:36 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [121322] Re: Pioneer 10
Message-ID: <5.1.0.14.1.20020305081940.00a60ae0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:21 AM 3/5/2002 -0500, you wrote:
>WOW!
>7.4 billion mile contact.
>That has to be the miles per watt record.
>73 Pete NV4V

Pete,

Well, maybe - NASA's ERP on the outbound leg was probably pretty
substantial. But I suspect we're into the "astronomical units per watt"
scale now.

What amazes me is that Pioneer 10 is still functioning after ~30 years. Now
THAT'S engineering!

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 05 Mar 2002 08:55:27 -0500
From: wb4mnf <wb4mnf@atl.org>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121323] Re: Open Wire Transmission Line
Message-ID: <3C84CE4F.4040003@atl.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Curious...

What is the incremental benefit of 'real' open wire line
over the 450 ohm 'window' line relative to that of the
'window line' over say RG8 'foam' core coaxial cable.

Let's say in a situation where I've an electrical full wave
on 40m feeding my loop on 80 and 40 where the loop is
45ohm at resonance on 80 and 160ohm at resonance on 40
and the imaginary part of the reactances varies from
-300 to +300 over the full bandspread and I'm matching
at the transmitter.

-bob
wb4mnf

Date: Tue, 5 Mar 2002 09:10:15 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@Lehigh.edu
Subject: [121324] open wire feeders my comments
Message-ID: <200203051418.g25EIVx13891@genesis.dmz.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I have open wire line from my g5rv all the way into my shack to a
heavy duty 4 to 1 balun(radio works type). Seems to work FB.
I was using a johnsons match box..but had a hard time getting good
loading on some bands..so i switched to the MFJ versa tuner
w/external balun and no probs.
Im not giving up on the johnsons match box..just setting it aside for
a while.
To get the balanced feeder into my shack basement window(there is
an aluminum frame window) I drilled beside the window..into the 2X4
frame in the foundation and ran two insulated wires through parallel.
Another alternate method..could be take out one of the window panes
and replace it with plexiglass and drill appropriate holes through
for feedlines.

As for the antenna..Im going to put in some isolating coils..about 50
uh at the ends of my g5rv and put some extensions to each end so i
can work 160 mtrs. I figure ..the 50 uh coils will act as "isolators"
at the freqs above 7 mhz and add some L at 160. Anyways..thats where
im at..I also liked the windom (i just added about 50 ft to one end
of my g5rv) and it worked quite well..on 28 mhz directivity seemed
off the long wire end..73 Earl VE3AB

Date: Tue, 05 Mar 2002 16:14:42 +0000
From: k8cz@att.net
To: fpqrp-l@mpna.com (The Pigs!)
Cc: qrp-l@Lehigh.EDU (QRP-L), njqrp@njqrp.org (NJQRP)
Subject: [121325] Truffle 3/5/2002
Message-ID:
<20020305161442.JQEM13933.mtiwmhc22.worldnet.att.net@webmail.worldnet.att.net>

My turn in the truffle hunt tonight. I'll be somewhere
near 7045-7046 and listening up between 7046 and 7047.
Good luck to all and hope I hear as big a pileup as last
time. Same time as usual.

Tom

--
73,72, OO
FP #41 NJQRP #338 Fists #2360
ARCI #9606 SOC #336 Norcal ARRL
Hamilton, Ohio EM79ri
Tom, K8CZ

Date: Tue, 05 Mar 2002 16:20:20 +0000
From: k8cz@att.net
To: fpqrp-l@mpna.com (The Pigs!)
Cc: qrp-l@Lehigh.EDU (QRP-L), njqrp@njqrp.org (NJQRP)
Subject: [121326] Truffle 3/5/2002
Message-ID:
<20020305162020.JVNT13933.mtiwmhc22.worldnet.att.net@webmail.worldnet.att.net>

Just a reminder for those who haven't done this before,
the exchange is your call de k8cz, rst, Tom, OH 5 w BK.
Then your exchange. I will reply R TU QRZ? asking for
fills when needed.

--

73,72, OO
FP #41 NJQRP #338 Fists #2360
ARCI #9606 SOC #336 Norcal ARRL
Hamilton, Ohio EM79ri
Tom, K8CZ

Date: Tue, 5 Mar 2002 11:34:00 -0500
From: Tim ORourke <TORourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [121327] QRP Project Kits for DL land
Message-ID: <0514B74864ACD511934400508BBB5E3401E2B9@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

I received two fine kits from Germany today. One is a surface mount 40 meter CW rig and the other is a 2meter SSB and CW rig. Both are fine kits although the manuals for now are in German. Interesting in that they use custom wound adjustable can type coils rather than torriod coils. Nice kits but I see some challanges ahead with language. Has any one else built these fb kits?
Tim O'Rourke KG4CHX

Date: Tue, 05 Mar 2002 12:30:54 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-l@lehigh.edu, njqrp@njqrp.org, soc@mailman.qth.net,
        elecraft@mailman.qth.net
Subject: [121328] Web pages moved
Message-ID: <02030512305406.10857@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I gave up and moved my Web Pages to my ISP (comcast.net), they are now at:

http://mywebpages.comcast.net/w2agn

Load MUCH faster now, and I can access them better for updates, etc.

--

      John L Sielke   W2AGN

       w2agn@pobox.com

http://mywebpages.comcast.net/w2agn

Trustee: W3IYQ

Date: Tue, 5 Mar 2002 11:53:33 -0600
From: "KD5NWA" <KD5NWA@mbayona.com>
To: <plburbank@kih.net>
Cc: <qrp-l@Lehigh.EDU>
Subject: [121329] Re: re Pioneer 10
Message-ID: <002e01c1c46e$ae880140$a033010a@cbayona>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

But is it a QRP contact, doesn't the transmitter run a whopping 10 watts?

Cecil
KD5NWA

----- Original Message -----
From: "Pete Burbank" <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 11:35 PM
Subject: re Pioneer 10

> I should have added that the contact was made by NASA, not me.
> 73 Pete NV4V
>

Date: Tue, 05 Mar 2002 12:50:05 -0500
From: brickle <brickle@pobox.com>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121330] Re: Not QRP! Need a small set of 'boots'?
Message-ID: <3C85054D.4AEFD8B3@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

http://www.arrl.org/tis/info/pdf/7904018.pdf

has an update of the HW-7 Boots design for the HW-8.

Frank
AB2KT

Date: Tue, 05 Mar 2002 17:43:32 +0000
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [121331] QRP-10A Contacts
Message-ID: <5.1.0.14.0.20020305173512.009e6bb0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I have been on 10 meters the last few days and have
picked up a bunch of countries running the QRP-10A
at 500mW. JA, 9A2, IZ4, DL9, and a few others.

I am looking for a number of stateside Qs to round off
the list before Dayton this year. So if you can get on
10m and especially if you have built the QRP-10 or
modified versions, let me know.

Push away from the keyboard and come on up to 28MHz
while the solar cycle is still in the neighborhood of 200
counts. There is going to be a period of time when the
solar flux is going to be under 50 and there will be much
wailing and knashing of teeth. (spelling checker didn't like
that word, but I'll leave it alone)

Question? Know what the difference is between a puppy
and a QRP-L'er??

Answer. The puppy eventually will quit whining. :-)

Joke people. A joke for the humor mill.

See ya on 10 meters the next few weeks.

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
http://www.qsl.net/k7qo

Moving to Arizona? --- Bring your own water, please.

Date: Tue, 05 Mar 2002 17:45:36 +0000
From: Brian Short <k7on@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121332] Re: Web pages moved
Message-ID: <E16iJC3-0003oZ-00@gull.prod.itd.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I also gave up (on QSL.Net).

My web page(s) can be found at: http://www.k7on.com/

I registered a domain on managed servers with CGI/Frontpage/telnet/
python/perl etc for $5/mo with 50Mb space.

At 12:30 PM 3/5/02 -0500, W2AGN wrote:
>I gave up and moved my Web Pages to my ISP (comcast.net), they are now at:
>
>http://mywebpages.comcast.net/w2agn
>
>Load MUCH faster now, and I can access them better for updates, etc.

--
brian@k7on.com >or< http://www.k7on.com/
--

Date: Tue, 5 Mar 2002 13:08:08 -0500
From: Rodney S Clayton <rodclayton@juno.com>
To: qrp-l@lehigh.edu
Subject: [121333] Re: Crazy Glue use
Message-ID: <20020305.130809.-532201.0.rodclayton@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

It works GREAT on porous surfaces. I build model airplanes and you should see it stick two pieces of wood together. The wood will break before the joint does.

It also is good if you need to make threads in wood for a screw. One kit had me use a tap to put the threads in the wood then squirt CA in the threads, then use the tape on it again to clear the threads. It makes some really tough threads.

Rod
KA3BHY

On Mon, 4 Mar 2002 20:07:02 -0600 "Stuart Rohre" <rohre@arlut.utexas.edu> writes:
> Good points on using "just enough" cyano acrylate cements. (Eastman
> 910 in
> the old days).
>
> In fact this type of cement does not want to be used on porous
> surface. It
> adheres by being about a molecule thick, and on very clean surfaces,
> and
> preprimed if you can. In lieu of that, you should slide the pad
> slightly to
> improve the molecular dispersion of the cement drop, kind of rotate
> the pad
> in place and then leave it alone until the bond happens.
> IF I am remembering correctly, this also expels the air, and this
> chemical
> needs an air free environment to gain max strength.
>
> 72,
> Stuart K5KVH
>
>

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Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

Date: Tue, 05 Mar 2002 13:29:15 -0500
From: W2AGN <w2agn@pobox.com>
To: Brian Short <k7on@earthlink.net>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [121334] Re: Web pages moved
Message-ID: <02030513291507.10857@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Tuesday 05 March 2002 12:45, Brian Short wrote:
> I also gave up (on QSL.Net).
>
> My web page(s) can be found at: http://www.k7on.com/
>

--

I never really noticed it that much unmtil I switched to a High speed
connection. Then I noticed my web pages were only loading at <1 KB/sec!

      John L Sielke   W2AGN

       w2agn@pobox.com

 http://mywebpages.comcast.net/w2agn

        Trustee: W3IYQ

Date: Tue, 5 Mar 2002 10:37:09 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <n2go@arrl.net>
Subject: [121335] FTC and Spam (was: RE: Who Is This Guy ?????)
Message-ID: <NFBBKLDHALEHCJMAJPKFMEHBCMAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Believe it or not, the federal trade commission wants spam!!

Forward the unwanted spam to uce@ftc.gov

It seems they are doing a couple year study of spammer habits, don't know
exactly what they want to do with that info, but they are looking for
fraudulent activity on the internet. These spammers definitely don't want
the FTC on their butts.

See
http://www.ftc.gov/os/2001/04/unsolicommemail.htm
http://www.ftc.gov/os/1998/9806/email.htm
(They look identical at first, but they're different)

Also, search 'UCE' on the ftc site for examples of cases the FTC has brought against fraudulent spammers.

Tracy N4LGH

Date: Tue, 5 Mar 2002 10:43:40 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <TORourke@KaiserFT.com>
Subject: [121336] RE: QRP Project Kits for DL land
Message-ID: <NFBBKLDHALEHCJMAJPKFIEHCCMAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Tim, where'd ya get 'em? Got a URL?

Tracy N4LGH

I received two fine kits from Germany today. One is a surface mount 40 meter CW rig and the other is a 2meter SSB and CW rig. <snip> Has any one else built these fb kits?
Tim O'Rourke KG4CHX

Date: Tue, 05 Mar 2002 12:39:00 -0700
From: Earl Murphy <earlmurf@telusplanet.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [121337] FOX VE6EX LOG ver#2
Message-ID: <3C851ED3.E25CEBFF@telusplanet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

GANG: Please email Dan (VE6EX) direct for any changes etc.

<ve6ex@yahoo.ca>

FEB 28, 2002 VE6EX FOX NIGHT

02:00	K7TQ	559	ID	RANDY	5W
02:01	W0UFO	559	MN	MERT	5W
02:02	N4ROA	559	VA	DAN	5W
02:03	N0UR	559	MN	JIM	5W
02:04	VA6RF	559	AB	EARL	5W
02:05	K0EVZ	559	ND	DOC	5W
02:06	AB0CD	599	CO	DICK	5W
02:06	N2WW	559	CO	LARRY	5W
02:07	N9NE	559	WI	TODD	5W
02:08	KB7WW	559	OR	ART	5W
02:09	K8CV	599	MI	WALT	5W
02:10	AA7XA	559	OR	FRANK	5W
02:10	N0AR	559	MN	SCOTT	5W
02:11	KR5C	559	TX	GEORGE	5W
02:13	WE9K	559	WI	GLENN	5W
02:14	WA9TZE	559	WI	JIM	5W
02:14	N9AW	599	WI	JERRY	5W
02:15	AC5JH	559	OK	TOM	5W
02:17	KA2EYH	599	IND	GIL	5W
02:19	N1FN	559	CO	ET	5W
02:22	AA5O	559	LA	VERN	5W
02:23	W0PWE	559	IA	JERRY	5W
02:24	W5YR	559	TX	GEORGE	5W
02:25	W0RSP	569	SD	ADE	5W
02:27	W9XU	559	WI	LON	5W
02:28	VE6JAZ	599	AB	ROB	5W
02:28	K3PH	559	PA	BOB	5W
02:29	NK9G	559	WI	RICK	5W
02:29	W5USJ	559	TX	CHUCK	5W
02:30	VE5RC	559	SK	BRUCE	5W
02:31	AG0T	559	ND	TODD	4W
02:32	VE4WI	559	MB	CRAIG	5W
02:32	K0PC	559	MN	PAT	5W
02:33	W0CH	559	MO	DAVE	900MW
02:34	N9IJ	339	IL	LEN	5W
02:35	N0HRL	559	MN	KEN	5W
02:37	KB9LGJ	559	MN	TIM	CA
02:39	W4NJK	559	CA	CHARLIE	5W
02:40	K9DC	559	IN	DAVE	5W
02:40	WV9N	559	OH	RANDY	5W
02:41	K4GN	559	GA	JIM	5W
02:43	K5SR	559	TX	DALE	5W
02:44	W9HL	559	IL	RANDY	5W
02:47	KD7CTF	559	OR	LEE	5W

02:49	K3IU	559	RI	KEN	5W
02:57	WA7LNW	339	UT	JACK	2W
02:58	KG6CYN	559	CA	TREV	5W
02:58	W7ILW	559	AZ	WALT	5W
03:02	AF4LQ	559	KY	MIKE	5W
03:03	W5YA	559	TX	FRED	5W
03:04	WE6W	559	CA	ED	5W
03:10	K5JHP	559	TX	BILL	5W
03:11	VE3FAL	559	ON	FRED	5W
03:11	N0WX	579	MN	MIKE	5W
03:13	WA8BXN	559	OH	MIKE	5W
03:14	WR5O	559	TX	DAVE	5W
03:15	K5DI	559	NM	KARL	5W
03:17	NK6A	559	CA	DON	5W
03:19	KK5LD	559	TX	DAN	5W
03:21	W8RU	559	MI	RON	5W
03:26	K8KFJ	559	WV	GARY	5W
03:27	KV2X	559	NY	TOM	5W
03:29	N0DSP	559	CO	TOM	5W
03:29	KC1FB	559	CT	JIM	5W
03:31	N5ZE	559	TX	LEW	5W
03:32	N7CQR	559	OR	DAN	5W
03:37	N0RC	559	CO	ROD	5W
03:38	KE6RS	559	CA	RON	5W
03:42	K2PQ	549	NJ	FRANK	5W
03:42	K4ADI	559	SC	FRANK	5W
03:46	KC9LC	559	VA	RANDY	5W
03:47	KL7IXI	579	WA	MIKE	4W
03:50	KI0II	559	CO	RON	2W
03:57	N5GJQ	559	LA	MIKE	5W
03:59	K4TOD	559	GA	TOM	5W
04:00	K4FB	559	FL	PAUL	5W
04:00	VE6EX	559	AB	DAN	5W

Date: Tue, 05 Mar 2002 14:49:49 -0500
From: TheRubins <hrubin1970@comcast.net>
To: qrp-l@lehigh.edu
Cc: wr3i@earthlink.net
Subject: [121338] RE: Pc Boards Got em ! but No Knowledge
Message-ID: <NFBBIJLJMLJIHFGJNANDEEKLCHAA.hrubin1970@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

PCB-ites:

I've got a double sided board I need to design and etch, also. I could use helpful tips and techniques from the group. Specifically, I need an economical way to etch a small, 3x4-in copper-clad 2-sides board. I could put it in a tray and rock it, but I think the commercial units (MG-Chemicals) use a vertical arrangement with an air-stone. Unrealistically, the commercial units use 5 or 7 liters of chemical -- definitely for large assemblies or high volume use. In my case just a few hundred ml of ferric-chloride etchant should suffice.

Howard Rubin

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Dave
Sent: Friday, February 15, 2002 8:32 PM
To: Low Power Amateur Radio Discussion
Subject: Pc Boards Got em ! but No Knowledge

Groupe I am new to pc board making in fact never done it.
However A long time ago I picked up some Kepro copper clad laminate in sealed bags that say they have dfd type developer included i also have about two rolls of reversing film but that's all I have...so my question is where can I get a step by step process for making boards using this stuff I already have and maybe picking up chemicals or whatever
Thanks
Dave W1QB

Date: Tue, 5 Mar 2002 15:39:53 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
        "NoVaQRP" <NoVaQRP@topica.com>, "GQRP" <GQRP@yahoogroups.com>
Subject: [121339] Recent junkbox homebrew projects, de N4Uy
Message-ID: <GCECIJFJPOHMCKACOAOBCEGODJAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A couple months ago I bought 4000 2N4400s off eBay (I think I paid about half a cent each for them -- good junk).

I've been messing around with a few projects for these little guys -- here's what I have so far.

Active antenna
http://mywebpage.netscape.com/jakeycarter/Active+Antenna+-+Sprat+100.jpg

QRP RF amp http://mywebpage.netscape.com/jakeycarter/4400ampD.jpg

The active antenna works pretty well with a 5/8 wave 2m antenna and my homebrew Neophyte receiver. I housed it in an International Coffees tin.

The amp gives me 2.5 watts out when driven by my 350 milliwatt Tuna Tin -- doesn't seem to mind what antenna its attached to. No enclosure yet.

I'll bring them to the NoVaQRP lunch this Saturday.

73

Jake -- N4UY/QRP

Date: Tue, 5 Mar 2002 15:33:02 -0500
From: "Kwik, Ed " <ed.kwik@delphiauto.com>
To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>
Subject: [121340] Michigan QRP Net
Message-ID:
<9F176F70FD71AC48AFC36F879D2B84E3016D06B9@tryexch01.NorthAmerica.DelphiAuto.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

The Michigan QRP Net meets each Tuesday night on 3.535 MHz at 9:00 PM Eastern time. All hams are welcome. Last week we had nine check ins with good conditions. Spring is coming. So the good conditions will not last to much longer.

```
27-Feb-02 3.534     CW   K25W 0200 WB8ICN    599
JACKSON   MI   MIKE MI QRP NET
27-Feb-02 3.534     CW   K25W      K1CL 559  489
CHELMSFORD    MA   CHUCK MI QRP NET
27-Feb-02 3.534     CW   K25W      AF8X 569  589
EAST POINTE   MI   DICK MI QRP NET
27-Feb-02 3.534     CW   K25W      N8UN 599  599
EAST JORDAN   MI   ED MI QRP NET
27-Feb-02 3.534     CW   K25W      K8CV 599  599
```

```
ROYAL OAK MI   WALT MI QRP NET
27-Feb-02 3.534     CW   K25W      AA1MY     569  599
BETHEL    ME   SEAB MI QRP NET
27-Feb-02 3.534     CW   K25W      W8IQB     599  579
BRISTOL   MI   LOWELL MI QRP NET
27-Feb-02 3.534     CW   K25W      N8CQA     569  599
ROYAL OAK MI   BUCK MI QRP NET
27-Feb-02 3.534     CW   K25W      KR2F 559  599
0257      NY   VINNY MI QRP NET

Ed AB8DF   Waterford,  MI
```

```
Date: Tue, 05 Mar 2002 21:49:36 +0100
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [121341] Re: QRP Project Kits for DL land
Message-ID: <3C852F60.45DD5851@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Tracy,

> Hey Tim, where'd ya get 'em? Got a URL?

No, my name is not Tim, but here are the URL's. ;o)

2 meter SSB/CW rig ("Hohentwiel")
http://www.qrpproject.de/2mssb_cw.htm

40 meter SMD-Training kit ("HegauSMD")
http://www.qrpproject.de/smd_transceiver.htm

The supporter of the QRPproject is Peter (DL2FI).

--
72/73 de Ingo, DK3RED   Don't forget: the fun is the power!
   dk3red@t-online.de   http://www.qsl.net/dk3red
       DL-QRP-AG #824   http://www.dl-qrp-ag.de
```

```
Date: Tue, 05 Mar 2002 15:52:34 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [121342] RE: Pc Boards Got em ! but No Knowledge
```

Message-ID: <5.1.0.14.1.20020305153307.00a71810@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howard,

I use Circad PC board layout software and a homemade toner-transfer method to make single sided boards at home. I haven't tried the toner transfer stuff for a double-sided board.

Keep in mind that commercially made double-sided boards usually have plated-through holes to provide connections between both sides. A home made board won't have that - you'll have to solder component leads on both sides of the board, and solder wires into vias (feedthrough pads) as well.

Etching a board with tracks on both sides should be possible if you use an upright container instead of a tray. Tupperware and its clones include various tall, narrow containers. Standing the board on edge - possibly on a little bracket to hold it above an airstone at the bottom of the etchant - shouldn't be difficult.

Unless you absolutely have to do it yourself, consider using a board prototyping service. Just this morning I threw away a postcard from a place that offered to make any number of boards for $33 each. Other places may charge a one-time setup fee and then charge less for each board.

Here's an example, drawn from a Google search for "pc board prototyping." Express PCB (http://www.expresspcb.com/ExpressPCBHtm/Specs.htm) offers their "Miniboard" service: 3 pieces, plated-through holes, double or single sided, no solder mask or silkscreen, boards must be 3.8 x 2.5 inches, other restrictions apply - $59 including shipping. They also have a more traditional prototyping service that takes into account quantity of boards, size of boards, additional process, etc. to determine price. (I'm not endorsing Express PCB - it's just what turned up in the search as an example.) By the time you get all the stuff to make boards of this class, you'll easily have spent the $59. (And had all that etchant to dispose of.)

Good luck!

Dave

At 02:49 PM 3/5/2002 -0500, you wrote:
>PCB-ites:
>
>I've got a double sided board I need to design and etch, also. I could use
>helpful tips and techniques from the group. Specifically, I need an
>economical way to etch a small, 3x4-in copper-clad 2-sides board. I could
>put it in a tray and rock it, but I think the commercial units

>(MG-Chemicals) use a vertical arrangement with an air-stone.
>Unrealistically, the commercial units use 5 or 7 liters of chemical --
>definitely for large assemblies or high volume use. In my case just a few
>hundred ml of ferric-chloride etchant should suffice.
>
>Howard Rubin
>
>-----Original Message-----
>From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
>Dave
>Sent: Friday, February 15, 2002 8:32 PM
>To: Low Power Amateur Radio Discussion
>Subject: Pc Boards Got em ! but No Knowledge
>
>
>Groupe I am new to pc board making in fact never done it.
>However A long time ago I picked up some Kepro copper clad
>laminate in sealed bags that say they have dfd type developer
>included i also have about two rolls of reversing film but that's all I
>have...so my question is where can I get a step by step process for
>making boards using this stuff I already have and maybe picking
>up chemicals or whatever
>Thanks
>Dave W1QB

"You can fool some of the people all of the time. That's enough to make a
living." - Lance Burton
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 05 Mar 2002 13:04:17 -0800
From: Norm Melick <henmel@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [121343] FS: HW-99 & HW-7 w/Power Supply
Message-ID: <3C8532D1.31E32A91@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am moving, so these rigs must go. $200 for the HW-99 and $75.00 for
the HW-7. I can't consider trades, the timing of the move caught me off
guard so I need the cash. These are nice, fully operational rigs. I will
consider reasonable offers if I'm convinced that I'm off the money mark.

E-mail me privately for details and my phone number.

Thanks much,

Norm/KQ6SD

Date: Tue, 5 Mar 2002 16:16:53 -0500
From: "Greg Breeden" <gbreeden@pivot.net>
To: <qrp-l@Lehigh.EDU>
Subject: [121344] F.S. Autek QF-1A
Message-ID: <001e01c1c48b$137ad5c0$a4a8ba42@e4e8t7>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a QF-1A Filter for sale; it looks and works fine.

$35 Plus Shipping. It comes with Instruction sheet.

Greg, AL0A

gbreeden@pivot.net

Date: Tue, 05 Mar 2002 17:01:57 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [121345] Early morning DX?
Message-ID: <3.0.6.32.20020305170157.007a6430@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All my life I've one of those people who are late to bed and late to rise.
Up by the crack of noon is my motto<g> So, I'm wondering if any of you
early risers find good DX early in the morning hours? It would be a
struggle, but maybe I should change my ways...

72,
Steve, KD1JV

"Melt Solder"
White Mountains of New Hampshire
http://www.qsl.net/kd1jv/

Date: Tue, 05 Mar 2002 17:05:58 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [121346] Re: Early morning DX?
Message-ID: <5.1.0.14.1.20020305170341.00a73bf0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Steve,

If you need some help with getting up early, go spend a week in England and then come home.

I did the same thing last week, and the next work day I was in at 6:30 AM. And I felt like I'd slept until 11:30 AM. (Of course I went to bed at 8:30 the previous evening.)

Embrace jet lag!

Dave

At 05:01 PM 3/5/2002 -0500, you wrote:
>All my life I've one of those people who are late to bed and late to rise.
>Up by the crack of noon is my motto<g> So, I'm wondering if any of you
>early risers find good DX early in the morning hours? It would be a
>struggle, but maybe I should change my ways...
>
>
>72,
>Steve, KD1JV
>"Melt Solder"
>White Mountains of New Hampshire
>http://www.qsl.net/kd1jv/

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 5 Mar 2002 17:09:47 -0500
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "'WD8CIV@worldnet.att.net'" <WD8CIV@worldnet.att.net>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121347] RE: Early morning DX?
Message-ID: <F9351DA9F0F6D41187410090277B3EB304D5FCA6@ev008msxaege.ae.ge.com>

OK, Dave, so what DX do you work when you got up so early? I'm like Steve,
I've often wondered if it was worth getting up early for DX hunting.

Mark, AA4MF

-----Original Message-----
From: David Hinerman [mailto:WD8CIV@worldnet.att.net]
Sent: Tuesday, March 05, 2002 5:06 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Early morning DX?

Steve,

If you need some help with getting up early, go spend a week in England and
then come home.

I did the same thing last week, and the next work day I was in at 6:30 AM.
And I felt like I'd slept until 11:30 AM. (Of course I went to bed at 8:30
the previous evening.)

Embrace jet lag!

Dave

At 05:01 PM 3/5/2002 -0500, you wrote:
>All my life I've one of those people who are late to bed and late to rise.
>Up by the crack of noon is my motto<g> So, I'm wondering if any of you
>early risers find good DX early in the morning hours? It would be a
>struggle, but maybe I should change my ways...
>
>
>72,
>Steve, KD1JV
>"Melt Solder"
>White Mountains of New Hampshire
>http://www.qsl.net/kd1jv/

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 5 Mar 2002 17:12:35 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [121348] The Georgia Sierra project
Message-ID: <07c501c1c492$db0212a0$a6ec5b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In 1999 the North Georgia QRP club (NoGa) started a group project to build the NorCal Sierra that is featured in the recent ARRL handbooks. To preclude the purchase of special parts such as custom crystals it was re frequencied to use commonly available computer crystals. Other changes were made to ease construction. It was featured in a January 2000 QQ article.

Several builders recently asked for serial numbers and a request was made on several lists. Serial numbers were assigned based on their reporting of their first QSO which establishes a functional completion. The following list represents the data that I have received.

#1 Mike W3IRZ October 5, 1999
#2 Sam AE4GX February 13, 2000
#3 Bob VK2AVQ November 17, 2000
#4 Alex VK2ET February 25, 2001
#5 Roy AA0B November 18, 2001
#6 Alex VK2ET January 12, 2002

There are at least 3 more under construction in Georgia and a few more in Australia at this time.

Current construction information is available in the NoGa Compendium which is available in paper or on a CD. See the NoGa website for information on the Compendium or contact Picket AD4S at jpcummins@att.net

Mike Branca W3IRZ in Conyers Georgia

Date: Tue, 5 Mar 2002 17:29:54 -0500
From: Timothy.Urban@wc.ey.com
To: qrp-l@lehigh.edu
Subject: [121349] kudos to "SP Test"ers
Message-ID: <OF49704962.296B06B0-ON85256B73.007B145F@ey.com>
MIME-Version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: quoted-printable

Just a note to say how much fun I had last night participating, albeit
spontanteously, in the "SP" Contest @ 14.060 mhz.

As a 5 watt Mid-Atlantic qrp station it was a real gas to work UT, ND, =
SD,
OR & ID in an hour or two. =A0Also, for a contest I thought it was fair=
ly
relaxed - I only send/rcv about 24 wpm and nobody made me feel slow.

For anybody who hasn't tried it yet I encourage them to jump in next mo=
nth
- kudos to ARS.

Tim Urban
KA3POY

_____
The information contained in this message may be privileged and
confidential and protected from disclosure. If the reader of this mess=
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that any dissemination, distribution or copying of this communication i=
s
strictly prohibited. If you have received this communication in error,
please notify us immediately by replying to the message and deleting it=

from your computer. Thank you. Ernst & Young LLP=

Date: Tue, 05 Mar 2002 17:23:38 -0500

From: Fred Lesnick <flesnick@tbaytel.net>
To: QRP Canada <qrp-canada@neale.gpfn.sk.ca>, QRPL <qrp-l@Lehigh.EDU>,
        "QFOX@egroups.com" <QFOX@egroups.com>
Subject: [121350] Solar Alert
Message-ID: <3C85456A.FFF9408E@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This was past on from the hf beacon mailing list I belong to. Last time
I seen something like this the bands went bye bye.

Fred

SFI:175 | A:15 | K:3 up from 2 at 1500 on 5 March.
SAF: low to moderate, GMF: unsettled to active

Stratwarm Alert exists Tuesday.
The following Warning was EXTENDED at 1618 UT on 4 Mar 2002 and is now
valid through 1800 UT on 6 Mar 2002
Magnetic K-Index of 4 Warning valid from 3 Mar 2002 2350 to 4 Mar 2002
1800 UT

Magnetic A-Index >=20 Watch for 5 Mar 2002 UT

Aurora Level: 5
Solar Wind: 723.9 km/s at 2.3 protons/cm3

Date: Tue, 05 Mar 2002 17:29:39 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: hrubin1970@comcast.net
Cc: qrp-l@lehigh.edu
Subject: [121351] RE: Pc Boards Got em ! but No Knowledge
Message-ID: <3.0.6.32.20020305172939.007a5600@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>PCB-ites:
>
>I've got a double sided board I need to design and etch, also. I could use
>helpful tips and techniques from the group. Specifically, I need an
>economical way to etch a small, 3x4-in copper-clad 2-sides board.

I use a photo developer tray, which holds a quart of etchent nicely and has
a pour spout in the corner which makes putting the etchent back in the
bottle after your done easy. I know one guy that etches boards in a zip

lock bag!

I put my arm lamp over the board and etchent to heat it up some and just let it cook for awhile. I don't bother aggitating it until I start to get tired of waiting and want to get the last bit etched off quicker.

I guess you could go out and buy one of those fancy etching tanks and it would speed things up some, but unless you make a *lot* of boards, I don't think it's worth the money.

As for making double sided boards, you do have to be carefull that you can solder parts on both sides if need be, or use little bits of wire for feed throughs.

When I make a double sided board, I try to put most of the connections on one side. The bottom is mostly ground plane and the odd interconnects that replaces jumper wires. I etch the more complicated side first. I tape the used piece of transfer film to the back of the board, to keep that side from etching and it also helps make the board "float" on top of the etchent.

After the first side has etched, drill all the holes. This gives you guides to line up the film for the other side and keeps the pads from dimpling or pulling off if you try to drill them after the other side has been etched. Of course, now you have to fill all the holes, so the etchent don't leak through and under cut the copper on the side already etched. I use wax. It's something of a pain to remove latter, but can be done.

It can take a little practice to get the technique down...good luck.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
http://www.qsl.net/kd1jv/

Date: Tue, 5 Mar 2002 17:32:14 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "GQRP" <GQRP@yahoogroups.com>, "NoVaQRP" <NoVaQRP@topica.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121352] One more "junk box" project, de N4UY
Message-ID: <GCECIJFJPOHMCKACOAOBAEHDDJAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I almost forgot my scratch-built version of Jim's (K8IQY) 2N2-40 audio amp.

http://mywebpage.netscape.com/jakeycarter/Audio+Amp.jpg

I got tired of trying to make my LM386 amps work with my active audio
filters -- I couldn't stop the "motorboating". Jim's amp works great with
the active filters -- I'm putting it in my latest Neophyte.

Info on Jim's design is at http://www.qsl.net/k8iqy/

73,

Jake -- N4UY

Date: Tue, 05 Mar 2002 17:27:12 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [121353] Dave (K1SWL) does it again! Lets make 'im tell us all about it!
Message-ID: <F1139Odutox7nyeKzGZ000018ff@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hey, y'all.

It's not like I'm some self-appointed town crier or anything, but I do keep
a sharp watch on the products coming out of Colchester, CT.

To see what our guy is up to now...you guessed it:

http://www.smallwonderlabs.com

73.
Bill, N4QA

____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

Date: Tue, 05 Mar 2002 17:32:12 -0500
From: Bill Dittrich <rwdittrich@hotmail.com>
To: qrp-l@Lehigh.EDU

Subject: [121354] Re: Caution with list...
Message-ID: <3C85476C.522607EE@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got one of these, sure enough, my email address was listed at that
website.
Asked them to remove it.

Bill

Date: Tue, 5 Mar 2002 16:53:37 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121355] Re: Early morning DX?
Message-ID: <021801c1c498$9878a100$8211a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Then there's people like me that stay up until 3 or 4 and catch the DX on
40 :^)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! http://www.qsl.net/kc0bom

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

----- Original Message -----
From: Fancher, Mark (GEAE) <Mark.Fancher@ae.ge.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, March 05, 2002 4:09 PM
Subject: RE: Early morning DX?

OK, Dave, so what DX do you work when you got up so early? I'm like Steve,
I've often wondered if it was worth getting up early for DX hunting.

Mark, AA4MF

Date: Tue, 5 Mar 2002 18:17:12 -0500
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <kc0bom@arrl.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121356] Re: Early morning DX?
Message-ID: <02f801c1c49b$e27cf6e0$3903b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That just keeps him awake so he can watch Simon & Simon at 4 AM on A & E.

Dick K2JQ
-----Original Message-----
From: Rob Matherly <kc0bom@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, March 05, 2002 5:55 PM
Subject: Re: Early morning DX?

>Then there's people like me that stay up until 3 or 4 and catch the DX on
>40 :^)

Date: Tue, 5 Mar 2002 17:17:16 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Richard Brummer, K2JQ" <k2jq@bestweb.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121357] Re: Early morning DX?
Message-ID: <026101c1c49b$e8745e80$8211a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

How many times do I have to tell ya, it comes on at 3 here!!! :^))))

Besides, I tape it now :^) I just stay up to catch Married With Children
at 2:30 now :^)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! http://www.qsl.net/kc0bom

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

----- Original Message -----
From: Richard Brummer, K2JQ <k2jq@bestweb.net>
To: <kc0bom@arrl.net>; Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Sent: Tuesday, March 05, 2002 5:17 PM
Subject: Re: Early morning DX?

That just keeps him awake so he can watch Simon & Simon at 4 AM on A & E.

Dick K2JQ
-----Original Message-----
From: Rob Matherly <kc0bom@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, March 05, 2002 5:55 PM
Subject: Re: Early morning DX?

>Then there's people like me that stay up until 3 or 4 and catch the DX on
>40 :^)

Date: Tue, 05 Mar 2002 23:21:46 +0000
From: alan.kaul@att.net
To: Mark.Fancher@ae.ge.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121358] RE: Early morning DX?
Message-ID:
<20020305232151.UWJJ28073.mtiwmhc21.worldnet.att.net@webmail.worldnet.att.net>

someone asked:

>what DX do you work when you got up so early?

  Usually whatever DX is on or near "the grayline" which is the boundary between LIGHT and DARKNESS around the globe... if you go far enough around, your sunrise is someone else's sunset.... THE ABSOLUTE BEST TIME FOR THOSE PLACES 180 degrees areound the world from you.

> I've often wondered if it was worth getting up early for DX hunting.

     YES.

The best time to work DX is within 30-60 minutes of your sunrise or sunset. And the best DX to work at that time is a DX station whose sunset/sunrise occurs at about the same time. If your sunrise is at 6am, there will be a lot of DX workable from 5am til 730-8am, and then the skip pattern shifts and the DX disappears on that band (especially on 80-40M) but often reappears at a higher MUF.

Example: W6 works JY9RL ON 80 METERS in December-January when it is 7am in W6 and 5pm in Amman, Jordan. The signal travels LONGPATH, i.e. South from Los Angeles, across the Equator, to Australia, and then following the terminator (LINE) up across the Indian Ocean into the Arabian Peninsula. I know it is possible, because I was JY9RL at the DX end of the path.

BUT IF YOU WERE in North America and SLEPT TIL NOON, YOU PROBABLY MISSED THE OPENING.

Another EXAMPLE. If you worked the ARRL DX Contest last weekend .... 7am-11am on the West coast is 3pm-7pm in Western Europe, later in Eastern Europe. It is roughly "sunrise" in USA and roughly "sunset" in Europe. Fantastic conditions, on 10-meters a W6 could easily work 25- Euro countries in a couple of hours of QRP operating (I know this is true, too, because I did on Sunday Morning 3/3).

Then if you wait til 2-4 pm in W6, that is 6-8am in Western Pacific, guess what??? The W6 works a lot of JA's, VK's, BD, HL, BV, HS, YC, 9M, etc.

TO WORK THIS ONE FROM W6, YOU HAD TO STAY UP UNTIL AFTERNOON.... IF YOU WENT TO BED EARLY, NOON, for example, -- THEN YOU MISSED YOUR "SUNSET OPENING" TO THE FAR EAST.

So late to Bed,
Early to Rise,
Better for DX,
What a surprise!

(that's why contesters are heavily into caffeine!)

If you don't a clock or computer program which shows which part of the world is in sunlight and which part is in shadow -- it is worth buying IF you are planning to work a lot of DX.

The ARRL handbook has some info on it, but the best place to look is in ON4UN's book on low band DX-ing.

Good Ex, best 72/73 de alan

w6rcl@amsat.org

Date: Tue, 5 Mar 2002 16:26:18 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [121359] Re: Early morning DX?
Message-ID: <20020305.162623.-383155.16.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Which band are you asking about and how early are we talking? I frequently work on 40 cw JA, KH6, VK, ZK(not recent) ZL, UA0, YB, DU - local time about 5:30 or 6 AM, 11-1300 utc. A lot less problems with rtty and data modes at those early hours, too. 80 cw exhibits some of the same areas of dx as does 30. Might be worth your efforts to try it a time or two and them make your own decision.

73

Ray
A penny saved is a government oversight.
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M
NARTE-NCT2R FP# 111, SOC#78,QRP-ARCI 5784,
El Paso,(FAR WEST)TEXAS

Date: Tue, 05 Mar 2002 18:53:42 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: hrubin1970@comcast.net, qrp-l@lehigh.edu
Subject: [121360] Re: Pc Boards Got em ! but No Knowledge
Message-ID: <3C855A86.F3B6612F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, you've bitten off a big chunk three! First off, I would hope you have more than one board to play with! Doing your own PC board design and etching it is not an easy process, if the design is at all complex!

There are several ways to layout the board for etching. You can use a toner transfer system. You can use rub down symbols, and you can use masking tape! Toner transfer systems are neat, and work very well, BUT, first you must learn the in's and out's of the software and make the toner transfer system work!

Rub down symbols work very well but I would only recommend using them for the circuit. You will have other problems, including the ground planes!

Masking tape is the easiest but still takes some skill with an X-Acto knife! I have used all three methods. For a single board, certainly for a prototype, I like masking tape. In fact I would recommend it!

You cover the board with several layers of masking tape and draw your design on the tape. Then you use an X-Acto knife or a razor blade to carefully cut around the design. When finished you rub the masking tape down again and it's off the the etching tank!

Note, there are methods that use a "Sharpie" pen to lay out the circuit. They sell special etch resist pens for this purpose. I have never used them but they should work for the circuit!

Etching. I use a small plastic box, only slightly larger than the board. I put 1/3 to 1/2 nch of ferric chloride in there and submerge the board. You can heat the ferric chloride slightly by floating the

plastic box in a water bath and heating the water. The etching process will go faster!

Other notes, Cleanliness is next to whatever in this process. Use fine steel wool on the board surface before you put any masking tape or anything else on. Also, carefully clean the etched board with running water and soap when you are done. Use steel wool again until the board is shiny and brite!

And, ferric chlorine is bad for your drains, public water systems, and bad for your lawn too! Do not dump the used material in the drains and don't put it out in the lawn or flower beds. You will see the effects immediately! Put it in a plastic bottle and tell the garbage people what it is!

As you can see, etching a PC board is really a lot of trouble. The last time I needed one I went to FAR Circuits with a layout and they etched me a few for $25.00! While it takes a lot of the fun out of the process, I sort of agree with those who say have them made commercially!

73

End of QRP-L Digest 2485
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